

Oil-Rite Corporation

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Email: sales@oilrite.com • Web Address: www.oilrite.com**Item # B3559-101X08, Air Operated Spray PurgeX for Liquid, 1 Feed, Buna-N Seals, 8" Nozzle**

PurgeX has the ability to deliver very small amounts of lubricant with each cycle and can be rapidly cycled for greater volumes; it is excellent for high speed applications. Precise volumetric delivery is achieved with the positive displacement design.

This PurgeX is operated with compressed air between 40 to 120 PSI. An integral 8" coaxial spray nozzle is flexible yet rigid enough to allow for precise positioning (longer nozzles are available). Lubricant and air mix at the nozzle tip to atomize the fluid. There is a separate needle control for air flow to the nozzle. No additional air supply or separate air regulator is required, making this a highly efficient spray method.

The body is made of anodized aluminum alloy and the unit tolerates temperatures from -15° F to 180° F. Buna-N seals are used. The piston diameter is .250" and can travel as much as .250" per stroke. The liquid delivery per cycle is adjustable between 0 to .012 cubic inches. The air and liquid inlet are both 1/8" female NPT. This is a single feed unit that is 1 31/32" in length and 4" in height (plus nozzle length). There is a 9/32" dia mounting hole.

For applications with multiple feed points, internal Threadadapter connections provide common air and lubricant lines for all PurgeX pumps in the same manifold. It is easy to connect additional PurgeX pumps. Each PurgeX in the manifold operates as an individual pump with a separate adjustment for lubricant delivery per cycle as well as a separate air spray adjustment stem. Lubricant delivery can be completely shut off at any time by adjusting the piston to the fully closed position.

The self-priming PurgeX will fill lines with lubricant automatically. A vacuum of 20-25" HG pulls liquid into the PurgeX chamber with each cycle. Any entrapped air and other impurities are automatically purged from the system when the piston slightly over-travels the pump chamber with each cycle. The net result is the ability to reliably deliver an exact amount of lubricant.

Additional requirements include a reservoir, 3-way solenoid valve, timer or sequence signal, and tubing and fittings.

Specifications

Inlet Pressure	40-120 PSI
Volume Output Per Feed	0 to .012 cu. in.
Feeds	1
Nozzle Length	8"
Piston	.250" dia
Seals	Buna-N
Air Inlet	1/8" Female NPT
Liquid Inlet	1/8" Female NPT
Outlet	Spray
Lubricant Type	Liquid/Oil